



Application / Control Number : 09 / 747,268

Amendments to the claims :

RECEIVED

SEP 11 2003

Technology Center 2600



PATENT CLAIM
09/747,268

RECEIVED

SEP 11 2003

Technology Center 2600

017 claims
What is claimed is :

(1) A multiple area smoke detector system, said with ability to transmitt *rf* radio frequency tuned codelock signal to other rooms or areas in the same building, said where emergency smoke conditions may have occured, remotely sounding audible alarms signals, said alerting these areas ;

said individual source smoke detectors units used to detect smoke hazard conditions are incorporating parts ;

each of the said incorporating source smoke detectors units including :

said an commerical smoke detector unit, which is, said inbodied with ionization chamber said detection of smoke particles, said audible alarm to alert of isolated smoke hazard conditions;

said including commerical codelock transmitter circuit tuned to operate on the same *rf* radio frequency :

said for transmitting *rf* radio frequency tuned codelock signal, said to communicate with *rf* radio frequency tuned codelock receivers used in ,said single buildings to be protected ; said including commerical codelock receiver circuit tuned to operate on the same *rf* radio frequency ,said for receiving tranmited *rf* radio frequency tuned codelock signal

said from *rf* tuned codelock transmitter circuits used said in a single buildings to be protected.

(2) Multiple area smoke detector system, said further including timers circuits :
timer circuit said for receiving electrical voltage pulse said from commerical smoke detector unit ;
timer circuit said to start system ;
timer circuit said for turning on false alarm visual lamp indicator,
timer circuit said for turning off false alarm visual lamp indicator ,
timer circuit said for turning on triggered source smoke detector visual signal indicator,
time circuit said for turning off triggered source smoke detector visual signal indicator,
timer circuit electrical voltage pulse said for preventing transmitter circuit from, said transmitting *rf* radio frequency tuned codelock signal ;
said timer circuit for actuating transmitter circuit said to generates *rf* radio frequency tuned codelock signal to said actuates *rf* radio frequency tuned codelock receivers cirtcuit ;
said including tone generator circuit :
local tone generator circuit, said for generating audible signal ,
said including reset circuitry :
said for resetting individual source smoke detector, said resetting system ;
said including, individual source smoke detector, said each voltage supply operate on individual voltage dc / ac wall plugs adapter.

3) Multiple area smoke detector system as in claim 2 , wherein, when a individual source smoke detector, local detecting unit detected smoke hazard conditions, said a incorporating electrical signal is generated to a connecting timer circuit, wherein said, electrically connected to false alarm timer circuit ,said which display visual signal indicator during timer interval, said identifying where smoke hazard conditions originated, said a second visual lamp indicator electrically connected to a timer circuit , further displaying individual source smoke detector unit energized by smoke hazard conditions.

(4) Multiple area smoke detector system as in claims 1,2 and 3, wherein, said when false alarm timer circuit interval time out, said a incorporating electrical signal is generated to energize transmitter circuit, said transmitter generates a *rf* radio frequency tuned codelock signal, said to actuate local and associated *rf* radio frequency tuned receivers circuits used to protected rooms or areas in a single building.

(5) Multiple area smoke detector system as in claims, 1,3 and 4, wherein said false alarm timer interval time out, said electrical signal for false alarm visual signal indicator is turned-off ; said triggered source smoke detector second visual signal indicator electrical connected to a timer circuit, said remains on ,identifying triggered source detector unit, said until timer interval times out .

(6) Multiple area smoke detector system as in claims ,1,2,3,4 and 5, wherein said where *rf* radio frequency tuned codelock local and associated receivers circuits is energized,

said receivers outputs controllers changes states, said a incorporating electrical voltage signal is generated by receivers circuits to local and associated tone generators circuits, said produced audible signal, said to alert in rooms or areas to protected in a single building of smoke hazard conditions.

(7) Multiple area smoke detector system as in claims 2,3,4 and 6, said receivers outputs controller changes states, said digital logic gate signal, said reset timer, resetting triggered source smoke detector unit, said incorporating voltage signal is switch off depowering local smoke detector, said inhibiting further actuation of the system, said until it is reset.

(8) Multiple area smoke detector system as in claims 2,3 ,4 and 7, said wherein system contains reset circuitry, said for resetting triggered source smoke detector unit, said before false alarm timer interval expire, said by pressing and releasing manual *rf* radio frequency tuned codelock switch controller on unit twice in succession transmitting *rf* radio frequency tuned codelock signal , said to *rf* radio frequency tuned receiver circuit output controller , said reset triggered source smoke detector unit ; said reset system after false alarm timer interval expires, said pressing and releasing manual *rf* switch controller on unit once, transmitting *rf* radio frequency tuned codelock signal,said to *rf* radio frequency tuned receiver circuit output controller, said reset system.

(9) Multiple area smoke detector system as in claim 8, said system have the ability to

be reset, said from another source smoke detector switch controller, said other than the one that was triggered by smoke hazard conitions, said system have the ability to be reset, said by switch controller on hand held *rf* radio frequency tuned codelock transmitter unit.